Work Order ID 61851

September 8, 2010 3:16:06 PM

Item ID: D212-580-041 **Accept** **Setup Start**

Revision ID: **Stop**

Item Name: Cargo Mirror Assembly

Start Date: 9/08/10 **Start Qty:** 3.00 **Cust Item ID:**

Required Date: 9/17/10 **Req'd Qty:** 3.00 **Customer:**

Reference:

Run Start

Approvals: **Process Plan:** ✓ **Date:** **Tooling:** **Date:**

Stop

QC: **Date:** **SPC (Y/N):** **Date:**

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	**Revision Nbr**								
D2161	Rev B2								
100	DOCUMENT CONTROL	0.00							
DC	**Memo**	0.00							
Document Control	Photocopy bluefile and create labels as per PPP D212-580-041 ~~CHG003~~ CHG004 & 10/04/23								

Work Order ID 61851

September 8, 2010 3:16:07 PM

Item ID: D212-580-041 **Accept** **Setup Start** **Stop**

Revision ID:

Item Name: Cargo Mirror Assembly

Start Date: 9/08/10 **Start Qty:** 3.00 **Cust Item ID:**

Required Date: 9/17/10 **Req'd Qty:** 3.00 **Customer:**

Reference:

Run Start **Stop**

Approvals: **Process Plan:** **Date:** **Tooling:** **Date:**

QC: **Date:** **SPC (Y/N):** **Date:**

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	Pick Kit	0.00				10/9/22 SP			
Packaging									
Packaging	**Memo**	0.00							

PULL FROM STOCK:
1 X D212-580-041 B59933
2 X D212-580-041 B61402

REWORK TO CHG 004 PER ECN10-611
REMOVE2 X D2011-103 MIRROR RETURN TO STOCK, CHANGE TO 2 X D3439-101 MIRROR B 61847 SP

REMOVE 4 X CCR264SS3-2 B_____ & 108738 SP
2 X MS21059L3 B 114718 SP
FROM EACH KIT, AND RETURN TO STOCK

ADD TO EACH KIT:
4 X D4164-041 B 61879 SP 10/9/22
8 X MS20426AD3-4 B 104374 SP

170	QC4- 100% Inspect kits for completeness	0.00				5 10/10/22			
QC									
Quality Control	**Memo**	0.00							

Work Order ID 61851

September 8, 2010 3:16:07 PM

Item ID: D212-580-041 **Accept** **Setup Start** **Stop**

Revision ID:

Item Name: Cargo Mirror Assembly

Start Date: 9/08/10 **Start Qty:** 3.00 **Cust Item ID:**

Required Date: 9/17/10 **Req'd Qty:** 3.00 **Customer:**

Reference:

Run Start **Stop**

Approvals: **Process Plan:** **Date:** **Tooling:** **Date:**

QC: **Date:** **SPC (Y/N):** **Date:**

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180		0.00							
Packaging	Packaging								
Packaging	**Memo**	0.00							
Packaging	RE-PACKAGE PER PPP USING NEW B/N NEW LABELS REQUIRED AT CHG004 NEW PAPERWORK REQUIRED TO RELECT CHANGE								
190	QC21- Final Inspection - Work Order Release	0.00							
QC	**Memo**	0.00							
Quality Control									

Loc 24

Rev 4

10/09/28 sl 30

10/09/28

MF
10-9-28

Picklist Print

September 8, 2010 3:16:04 PM

Work Order ID: 61851

Parent Item: D212-580-041

Parent Item Name: Cargo Mirror Assembly

Start Date: 9/08/10 **Required Date:** 9/17/10

Start Qty: 3.00 **Required Qty:** 3.00

Comments: IPP Rev:H Removed D2013-3/-4 06-03-22 JLM
IPP REV:I AS PER ECN10-611 10-09-07 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
CCR264SS3-2		Purchased	No				Each	184.0000		-12			
Rivet, Cherry										10/9/22 SP			
				Location			**Loc Qty**	**Loc Code**					
				ST311			184						
					106578		45						
					108738		39			4+4			
					112314		100						
D2011-103		Manufactured	No			170	Each	26.0000		-6			
8" Mirror										10/9/22 SP			
				Location			**Loc Qty**	**Loc Code**					
				ST226			26						
					58399		26			6			
D212-580-041		Manufactured	No				Each	4.0000		3			
Cargo Mirror Assembly										10/9/22 SP			
				Location			**Loc Qty**	**Loc Code**					
				FG			1						
					39946		1						
				FG024			3						
					59933		1			2 1			
					61402		2						

S
T3

Picklist Print

September 8, 2010 3:16:05 PM

Work Order ID: 61851

Parent Item: D212-580-041

Parent Item Name: Cargo Mirror Assembly

Start Date: 9/08/10 **Required Date:** 9/17/10

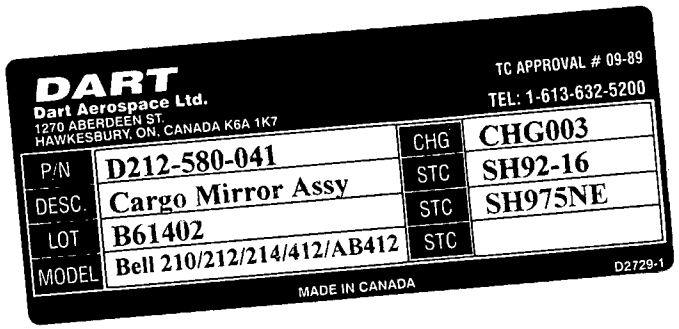
Start Qty: 3.00 **Required Qty:** 3.00

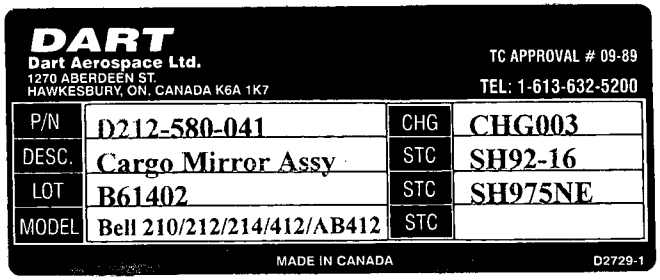
D3439-101 Mirror Assembly 8"	Manufactured	No		Each	3.0000	2	6 B61847 10/9/28

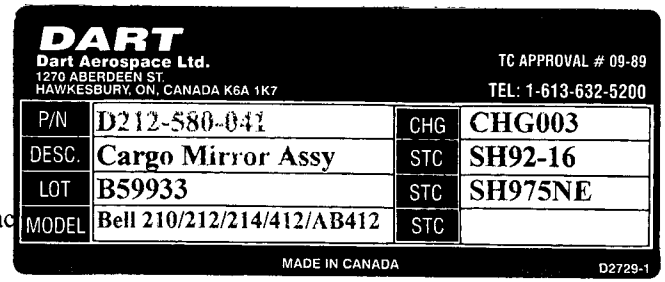
Location	Loc Qty	Loc Code	
ST226	1		
60512	1		
ST228	2		
60512	2		

D4164-041 Nut Plate Adapter Assembly	Manufactured	No		Each	0.0000	4	12 B61879 10/9/28
MS21059L3 Nut Plate	Purchased	No		Each	37.0000		-6 10/9/28 BD

Location	Loc Qty	Loc Code	
ST301	37		
114718	37		6







ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 10.08.26	Job No: 2010034	ADR Yes/No: NO	ADR Date:	ECN #:	10- 611
Product No.: D212-580		Created By: KB	Approved By:		
Product Name: Dual Cargo Mirror and LED Pulse Light Kit		Checked By: DS	General Manager Approval: NA		

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	
Purchasing Coord.	N		
Production Engineering Coord.	Y	JL	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	N		
Customer Technical Support	Y	DS	
Marketing	Y	SW	
Customer Order Processing	N		

Reason for Change:

Release new D212-580-043 Pulse Light Kit

Documents Affected:

DR-212-580 Rev. H
MDL-D212-580 Rev. D
CA-D212-580 Rev. 2
N-D212-580 Rev. D
N-D212-580-1 Rev. A
IIN-D212-580-2 Rev. A
D4078 Rev. B, D4079 Rev. B, D4081 Rev. A, D4164 Rev. A
D212-580-901 Rev. A, D212-580-903 Rev. A
SH92-16 Issue 4

PARTS MUST COMPLY [X] **PREVIOUS PARTS SATISFACTORY** [ ]

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Master Document List (MDL)	Y	KB	MDL-D212-580 Rev. D	10.08.13
6	Update Product Compatibility Matrix	N			
7	Create Eurocopter Form (FEE)	N			
8	Notify TC / FAA of Change	N			
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files	Y	KJ		
11	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		10.09.07
12	Update Approved/Preliminary PDF Files	Y	KJ		10.09.07
13	Update Document Record (DR)	Y	KB	DR-D212-580 Rev. H	10.08.13
14	Update Product Development Summary	Y	MP		
15	Update QSI 021 and/or STC Approval List	Y	KJ		10.09.07
16	Update Parts / STC Database	Y	KJ		10.09.07
17	Update / Verify ARC Database	Y	KJ		10.09.07
18	Create / Update Change Record Form / Item Card Database	Y	KJ	See Below	10.09.07
19	Create / Update PPP's	Y	KJ		10.09.07
20	Update Document Control Database / Laminated Dwgs	N	~~KJ~~		
21	Update Grey Project / Electronic Binder PDF Files	Y	KJ	Add ADR + All Engeering Documents	10.09.07
22	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		10.09.07
23					
24					

Description / Action:

D212-580-041
D205-563-041
D204-562-041
} Now at CHG 004 with change to D3439-101 Mirror (Update Kits in Stock to CHG 004)

61849
61850
61851

D212-580-043 will be at CHG 001

Update BOM + Routings for D212-580-041 / D205-563-041 / D204-562-041 based on IIN-D212-580-1.

Ensure routings created for all parts on D4078 / D4079 / D4081 / D164 and that routings reflect latest dwg revision.

Create / verify BOM + routings for D212-580-043 per IIN-D212-580-2.

Put small QTY of D212-580-043 in stock.

ECN Verified & Complete: _____ Date: _____

List Lots

September 8, 2010 9:02:59 AM

Criteria : Item ID: D212-580-041 All Locations All Warehouses All Quantity

Item ID / Item Name	Warehouse ID / Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt / Lot Code	Type Code	Comments
D212-580-041 Cargo Mirror Assembly	HONG KONG FG	39946	9/01/10	1.0000	QC21	CHG003	Paperwork not updated in HK
	Main Warehouse FG024	59933 ✓	9/01/10	1.0000	QC21	CHG003	
	Main Warehouse FG024	61402 ✓	9/01/10	2.0000	QC21	CHG003	
			Total:	4.0000			

61851 10/9/2010

25.4 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D204-562-041 Dual Mirror Installation	5.0 lb 2.3 kg	0 in 0 m	0 lb-in 0 kg-m	3.80 in 0.10 m	19.0 in-lb 0.23 m-kg
D205-563-041 Dual Mirror Installation	5.0 lb 2.3 kg	0 in 0 m	0 lb-in 0 kg-m	3.80 in 0.10 m	19.0 in-lb 0.23 m-kg
D212-580-041 Dual Mirror Installation	5.0 lb 2.3 kg	0 in 0 m	0 lb-in 0 kg-m	-5.25 in -0.13 m	-26.3 in-lb -0.30 m-kg

25.5 PARTS LIST

Qty 562 -041	Qty 563 -041	Qty 580 -041	Part Number	Description
X			**D204-562-041**	**DUAL MIRROR INSTALLATION**
	X		**D205-563-041**	**DUAL MIRROR INSTALLATION**
		X	**D212-580-041**	**DUAL MIRROR INSTALLATION**
2	2	2	D2011-103	MIRROR
1			D2161-204	MIRROR BRACKET
	1		D2161-205	MIRROR BRACKET
		1	D2161-212	MIRROR BRACKET
*2	*2	*2	D3015-3	LOCKNUT
*2	*2	*2	AN960JD516	WASHER
		4	CCR264SS-3-2	RIVET, BLIND
		2	MS21059L3	NUTPLATE
4	4	4	MS27039-1-08	SCREW

* PARTS ARE INCLUDED WITH D2011-103 MIRROR

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4.0 PARTS LIST

Qty 562 -041	Qty 563 -041	Qty 580 -041	Part Number	Description
X			D204-562-041	DUAL MIRROR INSTALLATION
	X		D205-563-041	DUAL MIRROR INSTALLATION
		X	D212-580-041	DUAL MIRROR INSTALLATION
2	2	2	D3439-101	MIRROR (WAS D2011-103)
1			D2161-204	MIRROR BRACKET
	1		D2161-205	MIRROR BRACKET
		1	D2161-212	MIRROR BRACKET
*2	*2	*2	D3015-3	LOCKNUT
*2	*2	*2	AN960JD516	WASHER
		8	MS20426AD3-4	RIVET, COUNTERSUNK
		4	D4164-041	NUT PLATE ASSEMBLY
4	4	4	MS27039-1-08	SCREW

* PARTS ARE INCLUDED WITH D3439-101 MIRROR

Add MS20426AD3-4 x 8
Remove CR2644S-3 x 2
MS21919CL3 x 2

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